

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: July 15, 2004

Inspector: Diana Walden

Location: Norwalk Substation Expansion

**Storm/
Rain Event** Approx. 1.56" of rain fell over 7/12-7/13 since the last inspection.

Areas of Inspection	Observation	Recommended Action
Access Roads	<ul style="list-style-type: none"> - Access roads are completely accessible. 7/15/04 - New Canaan Avenue is still free of tracked sediment from the Norwalk site. There is separate City of Norwalk DPW construction going on in front of the site for future bridge work on New Canaan Ave. 7/15/04 	<ul style="list-style-type: none"> - None at this time. Continue to monitor. 7/15/04 - None at this time. Continue to monitor. 7/15/04
Foundation construction	<ul style="list-style-type: none"> - Work on the control house is ongoing. 7/15/04 - Work continues on the retaining walls with work on wall #3 waiting for logistics. 7/8/04 - Work continues on footings for future structures. 7/15/04 - The fill operation in the center of the site is almost complete with elevations reaching the parapets on the retaining walls. 7/15/04 	<ul style="list-style-type: none"> - The areas are well contained at this time. 7/15/04

Areas of Inspection	Observation	Recommended Action
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- The silt fence remains in good shape 7/15/04	- Continue to be proactive in silt fence repair and maintenance.
Erosion and Sediment Controls cont'd	- The concrete washout station continues to be used appropriately and will be removed when concrete work is complete. 7/15/04	- The main objective is to keep all washout water from resource areas and storm drains.
	- The topsoil stockpile remains well contained along the retaining wall and fill activities continue to the east of wall #2. 6/30-7/15/04	- The pile will continue to be used where necessary in areas to be grassed in the future and all soil is well contained. 6/30-7/15/04
	<p>- Work in the overflow channel continues as the fabric liner and cobblestones are being installed well and are including the shape of the meandering internal channel. 6/30-7/15/04</p> <p>- Work is nearing completion towards the southern portion of the channel in this area. 7/15/04</p>	<p>- The channel is still separated from the river by the silt fence and the sheet piling. When the channel is complete, the cobblestones will be used to blend into the existing grade. This area remains dry even following the recent rain event. 7/15/04</p> <p>- When the southern end of the channel is completed, silt fence or sandbags will be placed at the end to prevent sedimentation to the river 7/15/04</p>
	- The area on the slope near the sheet piling cofferdam has some bare soil areas with the potential to get through the silt fence. 7/15/04	- The area should be seeded and stabilized as soon as the cofferdam is removed. 7/15/04
	-Some grass seed was recently placed on the small bare spot in the vegetation below wall #5. Some mulch and watering may be necessary to get growth to occur. 7/15/04	-Continue to monitor for sufficient vegetative growth and future stabilization. This spot could lead to a gully under the right conditions as it is in a fairly steep grade. 7/15/04

Areas of Inspection	Observation	Recommended Action
Inland Wetland and Watercourse encroachment and mitigation	<ul style="list-style-type: none"> - The silt fence is still well in place along the river. 7/15/04 - The overflow channel is under construction and most areas are at grade with cobblestones and liner in place through most of the channel. 7/15/04. - The area is well under control with little disturbed soil and straw mulch on most areas of disturbed soil. 7/15/04 	<ul style="list-style-type: none"> - Continue to monitor silt fence and repair as necessary, especially in portions closest to the river. - The channel is still holding some water in areas where the cobbles are not placed yet and sandbags or silt fence will be placed to prevent sedimentation to the river when the southern end of the channel is connected. The northern end will likely be in dry conditions when the sheet piling is removed. 7/15/04
State species of concern, threatened and endangered species	<ul style="list-style-type: none"> - No species of concern are located in this area of construction. 	<ul style="list-style-type: none"> - N/A
Vegetative clearing limits (including trees to save or danger trees noted)	<ul style="list-style-type: none"> - The recently repaired scoured area below wall #5 is experiencing growth of grass cover. 6/10-7/15/04 - One area along the slope below wall #5 was sparse and was seeded. 7/15/04 - When the overflow channel is finalized and connected to the river, efforts will be made to minimize vegetative clearing 7/15/04 	<ul style="list-style-type: none"> - The area will be monitored for cover. Future observations may find that a more significant root structure is needed here. 5/27-7/15/04 - The area could be watered to ensure grass coverage and to prevent future erosion. 7/15/04
Dewatering	<ul style="list-style-type: none"> - Dewatering activities are complete at this time. 	<ul style="list-style-type: none"> - No actions required at this time.
Blasting	<ul style="list-style-type: none"> - No blasting is occurring on site at this time and it is not anticipated to be necessary. 	<ul style="list-style-type: none"> - None at this time.

Areas of Inspection	Observation	Recommended Action
Spills	<ul style="list-style-type: none"> - There were no spills reported during the week or noted on site during the inspection. 7/15/04 	<ul style="list-style-type: none"> - The contractors should remain vigilant about securing and handling fuel containers due to the sensitivity of the area - Continue to keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis. - Report spills to the office immediately, even if they are being controlled.
Additional Observations	<ul style="list-style-type: none"> - This week is the first to include a Plumtree Substation report, following a similar format to the Norwalk reports. 7/15/04 	

Next likely scheduled inspection:

Thursday July 22, 2004

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature:

Diana Walden

Docket No. 217 – Development and Management Plan Inspection

Northeast Utilities Service Company Certificate of Environmental Compatibility and Public Need for the construction of a 345-kV electric transmission line and reconstruction of an existing 115-kV electric transmission line between Connecticut Light and Power Company's Plumtree Substation in Bethel, through the towns of Redding, Weston, and Wilton, and to the Norwalk Substation in Norwalk, Connecticut.

Date: July 15, 2004

Inspector: Diana Walden

Location: Plumtree Substation Expansion , Bethel

**Storm/
Rain Event** Approx. 1.56" of rain fell over 7/12-7/13 since the last inspection.

Areas of Inspection	Observation	Recommended Action
Access Roads	- No new access roads have been constructed at this time 7/15/04	- None at this time. 7/15/04
Foundation construction	- A small excavation has been started in the yard for footings for future structures. 7/15/04 - A small stockpile of the excavate is immediately adjacent to the trench 7/15/04	- The areas are well contained at this time. 7/15/04
Erosion and Sediment Controls (includes inspection within 24 hours of a storm event)	- There is no silt fence in place at this time. If any stockpiles are going to be place overnight or are near the yard's outer chainlink fence, they should be surrounded by silt fence or haybales. 7/15/04	- Continue to be proactive in silt fence placement and maintenance.
Inland Wetland and Watercourse encroachment and mitigation	- Wetlands are located around the outskirts of the substation yard but no work is in their vicinity at this time. 7/15/04	- None at this time.
State species of concern, threatened and endangered species	- No species of concern are located in this area of construction.	- N/A

Areas of Inspection	Observation	Recommended Action
Vegetative clearing limits (including trees to save or danger trees noted)	- No vegetation outside of the substation yard will need to be cleared during the expansion work.	- N/A
Dewatering	- Dewatering activities have not been necessary yet. 7/15/4	-No actions required at this time.
Blasting	- No blasting is occurring on site at this time.	- None at this time.
Spills	<ul style="list-style-type: none"> - There were no spills reported during the week or noted on site during the inspection. There are very few pieces of machinery on site at this time. 7/15/04 - A small oil tank is on site but is held within a secondary containment. 7/15/04 	<ul style="list-style-type: none"> - The contractors should remain vigilant about securing and handling fuel containers. - Keep all vehicles maintained well (i.e. no apparent fluid leaks) if they will be used or stored on site. Check equipment status on a regular basis. - Report spills to the office immediately, even if they are being controlled.
Additional Observations		

**Next likely scheduled
inspection:**

Thursday July 22, 2004

I have personally examined and am familiar with the information submitted in this document and all attachments and certify that based on reasonable investigation, including my inquiry of those individuals responsible for obtaining the information, the submitted information is true, accurate and complete to the best of my knowledge and belief, and I understand that any false statements made in this document or its attachments may be punishable as a criminal offense in accordance with Section 22a-6 under Section 53a-157 of the Connecticut General Statutes.

Inspector's Signature:

Diana Walden



View of the catch basin w/separator outlet to the overflow channel. The inlet is not yet at grade but will be operational when this occurs. 7/15/04



View of installation of liner and cobblestone in the overflow channel. The work is reaching completion towards the southern end of the channel. 7/15/04



View of the completed portion of the cobblestone installation. The meandering channel and berm will be retained. 7/15/04



Overall view of the fill operation. A majority of the work here has been completed. 7/15/04



View of a sparse area of vegetation below wall #5 taken on 7/08/04 The area has since been seeded and may require some water to establish cover.



View of the initial excavation area in the Plumtree substation for footings for future structures. The work remains a good distance from the perimeter fence and adjacent wetlands. 7/15/04



View of the excavation and small stockpile at Plumtree. The area is contained at this time but if stockpiling occurs overnight or close to the perimeter fence, silt fence should be used. 7/15/04